

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001663

A. CLASSIFICATION OF SUBJECT MATTER
Int .C1⁷ B60H1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int .C1⁷ B60H1/32, F25B1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 5-106931 A (Matsushita Refrigeration Co.), 27 April, 1993 (27.04.93), Par. Nos. [0003], [0006], [0010] to [0015]; Figs. 1 to 3, 5 (Family: none)	1, 4 2, 3, 7, 9, 11, 12 8, 10
Y		
A		
X	JP 63-172863 A (Daikin Industries, Ltd.), 16 July, 1988 (16.07.88), Page 2, upper right column, line 18 to page 3, upper left column, line 18; page 4, lower left column, line 10 to page 4, lower right column, line 17; tables 1, 2; Figs. 1, 2, 4 (Family: none)	5, 6 7, 9, 11, 12 8, 10
Y		
A		

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search
29 March, 2005 (29.03.05)Date of mailing of the international search report
12 April, 2005 (12.04.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-211953 A (Sanden Corp.), 30 July, 2003 (30.07.03), Claims 8, 9 & US 2003/0136138 A1 & EP 1331115 A2	2, 3, 9, 11